

March 10, 2021

**FAL Project 13613**

Ms. Brianna Barnes  
Fremont Analytical, Inc.  
3600 Fremont Ave., N.  
Seattle, WA 98103

Dear Ms. Barnes,

The following results are associated with Frontier Analytical Laboratory project **13613**. This corresponds to your project number **2102417**. Three soil samples were received on 3/1/2021 at Frontier Analytical Laboratory. The samples were extracted and analyzed by EPA Method 1613 for tetra through octa chlorinated dibenzo dioxin and furans. The Toxic Equivalency (TEQ) for your samples has been calculated using the 2005 World Health Organization's (WHO's) toxic equivalency factors (TEFs). Fremont Analytical, Inc. requested a turnaround time of fifteen business days for project **13613**.

Please note that due to high levels of hepta chlorinated dibenzo dioxins (HpCDD), octa chlorinated dibenzo dioxin (OCDD) and octa chlorinated dibenzo furan (OCDF), all samples had to be diluted and reanalyzed. All results taken from the dilutions have been noted with the "\*" qualifier.

The following report consists of an Analytical Data section and a Sample Receipt section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, our sample login form and a sample photo. The enclosed results are specifically for the samples referenced in this report only. These results shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041**. Our State of California ELAP certificate number is **2934**. This report along with the associated electronic data deliverables have been emailed to you as a portable document format (PDF) file. A hardcopy will not be sent to you unless specifically requested.

If you have any questions regarding project **13613**, please feel free to contact me at 916-934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,



Thomas C. Crabtree  
Director

## Frontier Analytical Laboratory

### Sample Tracking Log

FAL Project ID: **13613**

Received on: **03/01/2021**

Project Due: **03/23/2021**

Storage: **R-4**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
13613-001-SA	0	2102417	A4-1:8	EPA 1613 D/F	Soil	02/25/2021	01:35 pm	02/25/2022
13613-002-SA	0	2102417	A4-3:8	EPA 1613 D/F	Soil	02/25/2021	02:10 pm	02/25/2022
13613-003-SA	0	2102417	A4-103:8	EPA 1613 D/F	Soil	02/25/2021	02:20 pm	02/25/2022

EPA Method 1613  
PCDD/F



FAL ID: 13613-001-MB  
Client ID: Method Blank  
Matrix: Soil  
Batch No: X5630

Date Extracted: 03-02-2021  
Date Received: NA  
Amount: 10.00 g

ICal: PCDDFAL3-10-23-20  
GC Column: DB5MS  
Units: pg/g

Acquired: 03-03-2021  
2005 WHO TEQ: 0.0  
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0546		-	0.0359				
1,2,3,7,8-PeCDD	ND	0.0828		-	0.0485				
1,2,3,4,7,8-HxCDD	ND	0.0914		-	0.0585				
1,2,3,6,7,8-HxCDD	ND	0.0986		-	0.0614	Total TCDD	ND	0.0546	
1,2,3,7,8,9-HxCDD	ND	0.0935		-	0.0573	Total PeCDD	ND	0.0828	
1,2,3,4,6,7,8-HpCDD	ND	0.145		-	0.0791	Total HxCDD	ND	0.0986	
OCDD	ND	0.262		-	0.149	Total HpCDD	ND	0.145	
2,3,7,8-TCDF	ND	0.0430		-	0.0304				
1,2,3,7,8-PeCDF	ND	0.0553		-	0.0408				
2,3,4,7,8-PeCDF	ND	0.0588		-	0.0411				
1,2,3,4,7,8-HxCDF	ND	0.0611		-	0.0364				
1,2,3,6,7,8-HxCDF	ND	0.0625		-	0.0358				
2,3,4,6,7,8-HxCDF	ND	0.0653		-	0.0399				
1,2,3,7,8,9-HxCDF	ND	0.0727		-	0.0589	Total TCDF	ND	0.0430	
1,2,3,4,6,7,8-HpCDF	ND	0.0725		-	0.0489	Total PeCDF	ND	0.0588	
1,2,3,4,7,8,9-HpCDF	ND	0.0731		-	0.0634	Total HxCDF	ND	0.0727	
OCDF	ND	0.126		-	0.110	Total HpCDF	ND	0.0731	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	88.1	25.0 - 164	
13C-1,2,3,7,8-PeCDD	111	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	95.4	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	89.1	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	100	23.0 - 140	
13C-OCDD	97.0	17.0 - 157	
13C-2,3,7,8-TCDF	98.9	24.0 - 169	
13C-1,2,3,7,8-PeCDF	99.5	24.0 - 185	
13C-2,3,4,7,8-PeCDF	98.3	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	90.0	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	90.2	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	91.4	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	103	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	97.9	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	110	26.0 - 138	
13C-OCDF	103	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 99.3 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- DNQ Analyte concentration is below calibration range
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected at Detection Limit Level
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: 

Date: 3/9/2021

Reviewed By: 

Date: 3/10/2021

# EPA Method 1613 PCDD/F



FAL ID: 13613-001-OPR  
Client ID: OPR  
Matrix: Soil  
Batch No: X5630

Date Extracted: 03-02-2021  
Date Received: NA  
Amount: 10.00 g

ICal: PCDDFAL3-10-23-20  
GC Column: DB5MS  
Units: ng/ml

Acquired: 03-03-2021  
2005 WHO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	10.9	6.70 - 15.8	
1,2,3,7,8-PeCDD	54.6	35.0 - 71.0	
1,2,3,4,7,8-HxCDD	49.2	35.0 - 82.0	
1,2,3,6,7,8-HxCDD	49.7	38.0 - 67.0	
1,2,3,7,8,9-HxCDD	51.2	32.0 - 81.0	
1,2,3,4,6,7,8-HpCDD	49.2	35.0 - 70.0	
OCDD	102	78.0 - 144	
2,3,7,8-TCDF	8.99	7.50 - 15.8	
1,2,3,7,8-PeCDF	50.5	40.0 - 67.0	
2,3,4,7,8-PeCDF	50.5	34.0 - 80.0	
1,2,3,4,7,8-HxCDF	51.0	36.0 - 67.0	
1,2,3,6,7,8-HxCDF	51.2	42.0 - 65.0	
2,3,4,6,7,8-HxCDF	51.2	35.0 - 78.0	
1,2,3,7,8,9-HxCDF	52.0	39.0 - 65.0	
1,2,3,4,6,7,8-HpCDF	55.2	41.0 - 61.0	
1,2,3,4,7,8,9-HpCDF	54.5	39.0 - 69.0	
OCDF	105	63.0 - 170	
Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	102	20.0 - 175	
13C-1,2,3,7,8-PeCDD	121	21.0 - 227	
13C-1,2,3,4,7,8-HxCDD	108	21.0 - 193	
13C-1,2,3,6,7,8-HxCDD	101	25.0 - 163	
13C-1,2,3,4,6,7,8-HpCDD	115	26.0 - 166	
13C-OCDD	110	13.0 - 198	
13C-2,3,7,8-TCDF	123	22.0 - 152	
13C-1,2,3,7,8-PeCDF	126	21.0 - 192	
13C-2,3,4,7,8-PeCDF	129	13.0 - 328	
13C-1,2,3,4,7,8-HxCDF	105	19.0 - 202	
13C-1,2,3,6,7,8-HxCDF	105	21.0 - 159	
13C-2,3,4,6,7,8-HxCDF	107	22.0 - 176	
13C-1,2,3,7,8,9-HxCDF	113	17.0 - 205	
13C-1,2,3,4,6,7,8-HpCDF	112	21.0 - 158	
13C-1,2,3,4,7,8,9-HpCDF	125	20.0 - 186	
13C-OCDF	117	13.0 - 198	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	104	31.0 - 191	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- DNQ Analyte concentration is below calibration range
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected at Detection Limit Level
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: 

Date: 3/9/2021

Reviewed By: 

Date: 3/10/2021

# EPA Method 1613 PCDD/F



FAL ID: 13613-001-SA  
Client ID: A4-1:8  
Matrix: Soil  
Batch No: X5630

Date Extracted: 03-02-2021  
Date Received: 03-01-2021  
Amount: 10.03 g  
% Solids: 78.37

ICal: PCDDFAL3-10-23-20  
GC Column: DB5MS  
Units: pg/g

Acquired: 03-03-2021  
2005 WHO TEQ: 33.3  
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	0.310	-	J	0.310	0.0359				
1,2,3,7,8-PeCDD	2.12	-	J	2.12	0.0485				
1,2,3,4,7,8-HxCDD	13.3	-		1.33	0.0585				
1,2,3,6,7,8-HxCDD	24.1	-		2.41	0.0614	Total TCDD	7.41	-	M
1,2,3,7,8,9-HxCDD	25.4	-		2.54	0.0573	Total PeCDD	19.5	-	
1,2,3,4,6,7,8-HpCDD	1820	-		18.2	0.0791	Total HxCDD	153	-	
OCDD	15700	-	*	4.71	0.149	Total HpCDD	2390	-	
2,3,7,8-TCDF	0.846	-		0.0846	0.0304				
1,2,3,7,8-PeCDF	0.821	-	J	0.0246	0.0408				
2,3,4,7,8-PeCDF	1.99	-	J	0.597	0.0411				
1,2,3,4,7,8-HxCDF	1.99	-	J	0.199	0.0364				
1,2,3,6,7,8-HxCDF	1.74	-	J	0.174	0.0358				
2,3,4,6,7,8-HxCDF	2.00	-	J	0.200	0.0399				
1,2,3,7,8,9-HxCDF	0.637	-	J	0.0637	0.0589	Total TCDF	25.6	-	D,M
1,2,3,4,6,7,8-HpCDF	28.2	-		0.282	0.0489	Total PeCDF	24.5	-	D,M
1,2,3,4,7,8,9-HpCDF	3.56	-		0.0356	0.0634	Total HxCDF	28.5	-	D,M
OCDF	108	-		0.0324	0.110	Total HpCDF	85.7	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	109	25.0 - 164	
13C-1,2,3,7,8-PeCDD	127	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	109	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	92.5	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	107	23.0 - 140	
13C-OCDD	128	17.0 - 157	*
13C-2,3,7,8-TCDF	113	24.0 - 169	
13C-1,2,3,7,8-PeCDF	111	24.0 - 185	
13C-2,3,4,7,8-PeCDF	112	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	101	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	99.4	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	99.9	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	109	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	102	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	120	26.0 - 138	
13C-OCDF	114	17.0 - 157	

## Cleanup Surrogate

37Cl-2,3,7,8-TCDD 100 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1

B Analyte is present in Method Blank

C Chemical Interference

D Presence of Diphenyl Ethers

DNQ Analyte concentration is below calibration range

E Analyte concentration is above calibration range

F Analyte confirmation on secondary column

J Analyte concentration is below calibration range

M Maximum possible concentration

ND Analyte Not Detected at Detection Limit Level

NP Not Provided

P Pre-filtered through a Whatman 0.7um GF/F filter

S Sample acceptance criteria not met

X Matrix interferences

\* Result taken from dilution or reinjection

Analyst: 

Date: 3/9/2021

Reviewed By: 

Date: 3/10/2021

# EPA Method 1613 PCDD/F



FAL ID: 13613-002-SA  
Client ID: A4-3:8  
Matrix: Soil  
Batch No: X5630

Date Extracted: 03-02-2021  
Date Received: 03-01-2021  
Amount: 10.05 g  
% Solids: 81.82

ICal: PCDDFAL3-10-23-20  
GC Column: DB5MS  
Units: pg/g

Acquired: 03-03-2021  
2005 WHO TEQ: 124  
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	1.38	-		1.38	0.0359				
1,2,3,7,8-PeCDD	7.15	-		7.15	0.0485				
1,2,3,4,7,8-HxCDD	21.9	-		2.19	0.0585				
1,2,3,6,7,8-HxCDD	113	-		11.3	0.0614	Total TCDD	41.9	-	
1,2,3,7,8,9-HxCDD	37.8	-		3.78	0.0573	Total PeCDD	122	-	
1,2,3,4,6,7,8-HpCDD	5430	-	*	54.3	0.0791	Total HxCDD	881	-	
OCDD	89300	-	*	26.8	0.149	Total HpCDD	11200	-	*
2,3,7,8-TCDF	1.95	-	F	0.195	0.0304				
1,2,3,7,8-PeCDF	1.12	-	J	0.0336	0.0408				
2,3,4,7,8-PeCDF	3.20	-		0.960	0.0411				
1,2,3,4,7,8-HxCDF	14.1	-		1.41	0.0364				
1,2,3,6,7,8-HxCDF	6.39	-		0.639	0.0358				
2,3,4,6,7,8-HxCDF	12.5	-		1.25	0.0399				
1,2,3,7,8,9-HxCDF	2.41	-	J	0.241	0.0589	Total TCDF	32.2	-	
1,2,3,4,6,7,8-HpCDF	1050	-		10.5	0.0489	Total PeCDF	31.8	-	D,M
1,2,3,4,7,8-HpCDF	62.4	-		0.624	0.0634	Total HxCDF	460	-	D,M
OCDF	5260	-	*	1.58	0.110	Total HpCDF	4860	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	109	25.0 - 164	
13C-1,2,3,7,8-PeCDD	129	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	107	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	89.3	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	130	23.0 - 140	*
13C-OCDD	140	17.0 - 157	*
13C-2,3,7,8-TCDF	109	24.0 - 169	
13C-1,2,3,7,8-PeCDF	117	24.0 - 185	
13C-2,3,4,7,8-PeCDF	118	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	87.1	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	89.4	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	99.0	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	108	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	83.2	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	121	26.0 - 138	
13C-OCDF	132	17.0 - 157	*

## Cleanup Surrogate

37Cl-2,3,7,8-TCDD 107 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1

B Analyte is present in Method Blank

C Chemical Interference

D Presence of Diphenyl Ethers

DNQ Analyte concentration is below calibration range

E Analyte concentration is above calibration range

F Analyte confirmation on secondary column

J Analyte concentration is below calibration range

M Maximum possible concentration

ND Analyte Not Detected at Detection Limit Level

NP Not Provided

P Pre-filtered through a Whatman 0.7um GF/F filter

S Sample acceptance criteria not met

X Matrix interferences

\* Result taken from dilution or reinjection

Analyst: 

Date: 3/9/2021

Reviewed By: 

Date: 3/10/2021

# EPA Method 1613 PCDD/F



FAL ID: 13613-003-SA  
Client ID: A4-103:8  
Matrix: Soil  
Batch No: X5630

Date Extracted: 03-02-2021  
Date Received: 03-01-2021  
Amount: 10.10 g  
% Solids: 82.14

ICal: PCDDFAL3-10-23-20  
GC Column: DB5MS  
Units: pg/g

Acquired: 03-03-2021  
2005 WHO TEQ: 42.2  
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	1.41	-		1.41	0.0359				
1,2,3,7,8-PeCDD	6.07	-		6.07	0.0485				
1,2,3,4,7,8-HxCDD	13.7	-		1.37	0.0585				
1,2,3,6,7,8-HxCDD	40.8	-		4.08	0.0614	Total TCDD	42.9	-	
1,2,3,7,8,9-HxCDD	22.3	-		2.23	0.0573	Total PeCDD	111	-	
1,2,3,4,6,7,8-HpCDD	1440	-		14.4	0.0791	Total HxCDD	497	-	
OCDD	19800	-	*	5.94	0.149	Total HpCDD	3000	-	
2,3,7,8-TCDF	4.00	-	F	0.400	0.0304				
1,2,3,7,8-PeCDF	2.32	-	J	0.0696	0.0408				
2,3,4,7,8-PeCDF	4.34	-		1.30	0.0411				
1,2,3,4,7,8-HxCDF	7.68	-		0.768	0.0364				
1,2,3,6,7,8-HxCDF	5.26	-		0.526	0.0358				
2,3,4,6,7,8-HxCDF	6.93	-		0.693	0.0399				
1,2,3,7,8,9-HxCDF	1.54	-	J	0.154	0.0589	Total TCDF	73.1	-	D,M
1,2,3,4,6,7,8-HpCDF	230	-		2.30	0.0489	Total PeCDF	66.2	-	D,M
1,2,3,4,7,8,9-HpCDF	14.4	-		0.144	0.0634	Total HxCDF	194	-	D,M
OCDF	1130	-		0.339	0.110	Total HpCDF	888	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	109	25.0 - 164	
13C-1,2,3,7,8-PeCDD	134	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	105	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	97.1	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	108	23.0 - 140	
13C-OCDD	140	17.0 - 157	*
13C-2,3,7,8-TCDF	105	24.0 - 169	
13C-1,2,3,7,8-PeCDF	112	24.0 - 185	
13C-2,3,4,7,8-PeCDF	113	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	98.3	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	97.8	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	99.7	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	110	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	104	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	119	26.0 - 138	
13C-OCDF	114	17.0 - 157	

## Cleanup Surrogate

37Cl-2,3,7,8-TCDD 112 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1

B Analyte is present in Method Blank

C Chemical Interference

D Presence of Diphenyl Ethers

DNQ Analyte concentration is below calibration range

E Analyte concentration is above calibration range

F Analyte confirmation on secondary column

J Analyte concentration is below calibration range

M Maximum possible concentration

ND Analyte Not Detected at Detection Limit Level

NP Not Provided

P Pre-filtered through a Whatman 0.7um GF/F filter

S Sample acceptance criteria not met

X Matrix interferences

\* Result taken from dilution or reinjection

Analyst: 

Date: 3/9/2021

Reviewed By: 

Date: 3/10/2021



# Fremont

ANALYTICAL

## CHAIN OF CUSTODY RECORD

Omega COCID 976

PAGE: 1

OF: 1

### ADDRESS

Fremont Analytical, Inc.  
3600 Fremont Ave. N.  
Seattle, WA 98103  
TEL: 206-352-3790  
FAX: 206-352-7178

Website: [www.fremontanalytical.com](http://www.fremontanalytical.com)

13613  
4<sup>OC</sup>

SUB CONTRACTOR: <b>Frontier Analytical La</b> COMPANY: <b>Frontier Analytical Laboratory</b>		SPECIAL INSTRUCTIONS / COMMENTS:					
ADDRESS: <b>5172 Hillsdale Circle</b>		Report to Lowest Detection Limit please! Standard TAT. Please email results to Brianna Barnes at <a href="mailto:bbarnes@fremontanalytical.com">bbarnes@fremontanalytical.com</a> and Matt Langston at <a href="mailto:mlangston@fremontanalytical.com">mlangston@fremontanalytical.com</a> .					
CITY, STATE, ZIP: <b>El Dorado Hills, CA 95762</b>							
PHONE: <b>(916) 934-0900</b> FAX: <b>(916) 934-0999</b> EMAIL:							
ACCOUNT #:							
ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	2102417-011B O-DIOXIN	A4-1:8	CLEAR JARS 8 O	Soil	2/25/2021 1:35:00 PM	1	
2	2102417-017B O-DIOXIN	A4-3:8	CLEAR JARS 8 O	Soil	2/25/2021 2:10:00 PM	1	
3	2102417-019B O-DIOXIN	A4-103:8	CLEAR JARS 8 O	Soil	2/25/2021 2:20:00 PM	1	

Brianna to Kathy - EPA method 1631 F. K2  
3/01/2021

Relinquished By: <i>[Signature]</i>	Date: 2/26/21	Time: 1454	Received By: <i>[Signature]</i>	Date: 3-1-21	Time: 945	REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARD COPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE  FOR LAB USE ONLY Temp of samples _____ °C    Attempt to Cool? _____ Comments: _____
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
TAT:    Standard <input type="checkbox"/> RUSH    Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/> Note: RUSH requests will incur surcharges!						000008 of 000010



## Frontier Analytical Laboratory

### Sample Login Form

FAL Project ID: **13613**

Client:	Fremont Analytical
Client Project ID:	2102417
Date Received:	03/01/2021
Time Received:	09:45 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	3
Duplicates:	0
Storage Location:	R-4

Method of Delivery:	UPS
Tracking Number:	1ZX6192X0165133371
Shipping Container Received Intact	Yes
Custody seals(s) present?	No
Custody seals(s) intact?	No
Sample Arrival Temperature (C)	NA
Cooling Method	Blue Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	No
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	No
pH Range of Aqueous Sample	N/A
Anomalies or additional comments:	
Please note that the samples were received in clear glass jars. NELAP requires samples be received in amber glass bottles or jars. Although this anomaly will not affect your results, we are required by NELAP to make a note of it. We will proceed with analysis unless directed otherwise by you.	



CHAIN OF CUSTODY RECORD

Omega COCID 976 PAGE: 1 OF: 1

ADDRESS

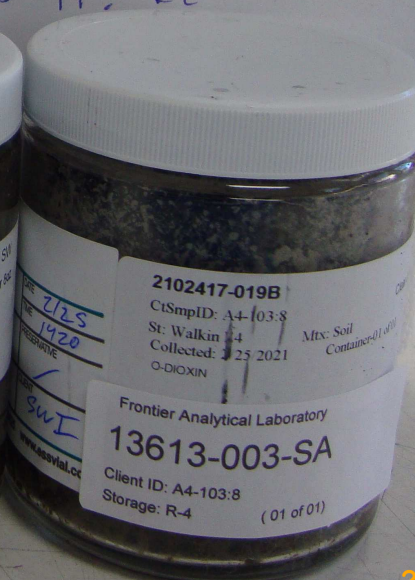
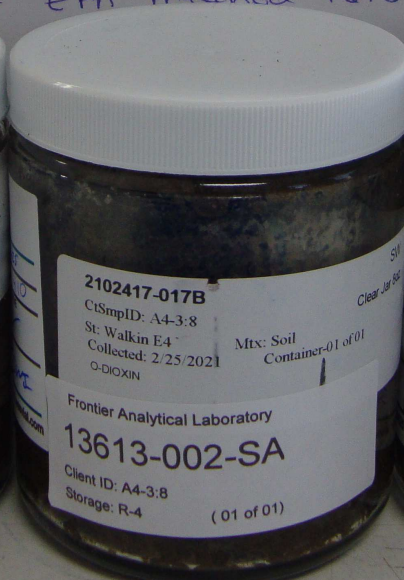
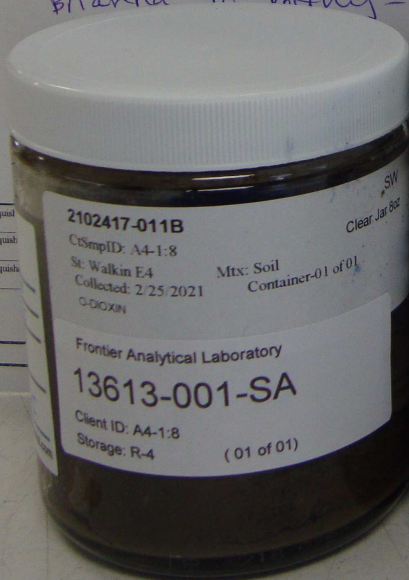
Fremont Analytical, Inc.  
3600 Fremont Ave. N.  
Seattle, WA 98103  
TEL: 206-352-3790  
FAX: 206-352-7178  
Website: www.fremontanalytical.com

SUB CONTRACTOR: <b>Frontier Analytical La</b>	COMPANY: <b>Frontier Analytical Laboratory</b>	SPECIAL INSTRUCTIONS / COMMENTS:
ADDRESS: <b>5172 Hillside Circle</b>		Report to Lowest Detection Limit please! Standard TAT. Please email results to Brianna Barnes at bbarnes@fremontanalytical.com and Matt Langston at mlangston@fremontanalytical.com.
CITY, STATE, ZIP: <b>El Dorado Hills, CA 95762</b>		
PHONE: <b>(916) 934-0900</b> FAX: <b>(916) 934-0999</b> EMAIL:		
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Brianna to Kathy - EPA method 1631 D/F, K2

Relinquish  
Relinquish  
Relinquish



2021/03/01